

a pedal structure mounted on the carrier for movement relative to the carrier and including a pedal pad;

generator means operative in response to movement of the pedal structure relative to the carrier to generate an electric control signal [proportioned] that varies in magnitude in proportion to the extent of movement of the pedal structure relative to the carrier so that the control signal is proportioned to and indicative of the position of the pedal structure relative to the carrier;

a coil spring arranged to be torsionally tightened in response to a force applied to the pedal pad whereby to provide a spring resistance force opposing the pedal apply force and arranged to be torsionally relaxed in response to release of the pedal apply force whereby to provide a spring return force; and

means operative in response to torsional tightening of the spring to generate a frictional resistance force that is additive with respect to the spring resistance force and subtractive with respect to the spring return force.

Please rewrite claim 9 in independent form as follows:

16. An adjustable pedal assembly for a motor vehicle adapted to be mounted on a body structure of the vehicle and operative to generate a control signal for controlling an associated device of the motor vehicle, said assembly comprising:

a carrier;

guide means mounting the carrier for fore and aft movement relative to the vehicle body structure;

drive means for moving the carrier along the guide means;

a pedal structure mounted on the carrier for movement relative to the carrier and including a pedal pad;

generator means operative in response to movement of the pedal structure relative to the carrier to generate an electric control signal proportioned to the extent of movement of the pedal structure relative to the carrier;

a coil spring arranged to be torsionally tightened in response to a force applied to the pedal pad whereby to provide a spring resistance force opposing the pedal apply force and arranged to be torsionally relaxed in response to release of the pedal apply force whereby to provide a spring return force; and

means operative in response to torsional tightening of the spring to generate a frictional resistance force that is additive with respect to the spring resistance force and subtractive with respect to the spring return force;

the guide means comprising a hollow guide rod;

the carrier including an upper portion mounted on the guide rod for sliding fore and aft movement along the guide rod;

the pedal structure including a pedal arm having an upper end mounted on a lower portion of the carrier;